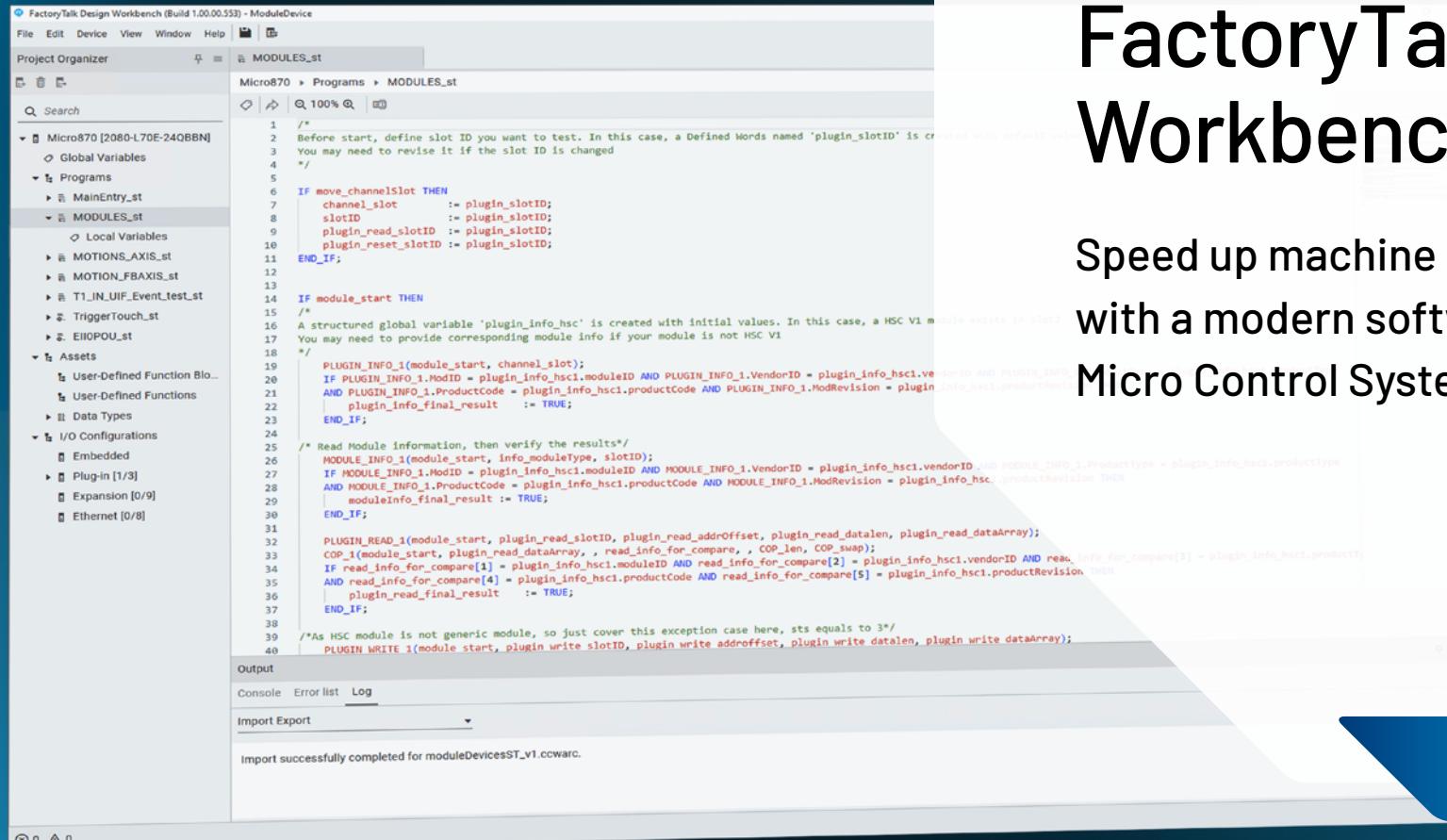




FactoryTalk Design Workbench software

Speed up machine development
with a modern software solution for your
Micro Control Systems



FactoryTalk Design Workbench (Build 1.00.00.553) - ModuleDevice

File Edit Device View Window Help

Project Organizer

Micro870 [2080-L70E-24QBBN]

- Global Variables
- Programs
- MainEntry_st
- MODULES_st
- Local Variables
- MOTIONS_AXIS_st
- MOTION_FBAXIS_st
- T1_IN_UIF_Event.test_st
- TriggerTouch_st
- EILOPOU_st

Assets

- User-Defined Function Blo...
- User-Defined Functions
- Data Types

I/O Configurations

- Embedded
- Plug-in [1/3]
- Expansion [0/9]
- Ethernet [0/8]

MODULES_st

Micro870 > Programs > MODULES_st

```
1  /*
2  Before start, define slot ID you want to test. In this case, a Defined Words named 'plugin_slotID' is created with initial value 0. You may need to revise it if the slot ID is changed
3  */
4
5
6  IF move_channelSlot THEN
7    channel_slot      := plugin_slotID;
8    slotID           := plugin_slotID;
9    plugin_read_slotID := plugin_slotID;
10   plugin_reset_slotID := plugin_slotID;
11 END_IF;
12
13
14 IF module_start THEN
15 /*
16 A structured global variable 'plugin_info_hsc' is created with initial values. In this case, a HSC V1 module exists in slot 0. You may need to provide corresponding module info if your module is not HSC V1
17 */
18
19 PLUGIN_INFO_1(module_start, channel_slot);
20 IF PLUGIN_INFO_1.ModID = plugin_info_hsc1.moduleID AND PLUGIN_INFO_1.VendorID = plugin_info_hsc1.vendorID AND PLUGIN_INFO_1
21 AND PLUGIN_INFO_1.ProductCode = plugin_info_hsc1.productCode AND PLUGIN_INFO_1.ModRevision = plugin_info_hsc1.productRevision
22 | plugin_info_final_result := TRUE;
23 END_IF;
24
25 /* Read Module information, then verify the results*/
26 MODULE_INFO_1(module_start, info_moduleType, slotID);
27 IF MODULE_INFO_1.ModID = plugin_info_hsc1.moduleID AND MODULE_INFO_1.VendorID = plugin_info_hsc1.vendorID AND MODULE_INFO_1.ProductType = plugin_info_hsc1.productType
28 AND MODULE_INFO_1.ProductCode = plugin_info_hsc1.productCode AND MODULE_INFO_1.ModRevision = plugin_info_hsc1.productRevision THEN
29 | moduleInfo_final_result := TRUE;
30 END_IF;
31
32 PLUGIN_READ_1(module_start, plugin_read_slotID, plugin_read_addrOffset, plugin_read_datalen, plugin_read_dataArray);
33 COP_1(module_start, plugin_read_dataArray, , read_info_for_compare, , COP_len, COP_swap);
34 IF read_info_for_compare[1] = plugin_info_hsc1.moduleID AND read_info_for_compare[2] = plugin_info_hsc1.vendorID AND read_info_for_compare[3] = plugin_info_hsc1.productType
35 AND read_info_for_compare[4] = plugin_info_hsc1.productCode AND read_info_for_compare[5] = plugin_info_hsc1.productRevision THEN
36 | plugin_read_final_result := TRUE;
37 END_IF;
38
39 /*As HSC module is not generic module, so just cover this exception case here, sts equals to 3*/
40 PLUGIN_WRITE_1(module_start, plugin_write_slotID, plugin_write_addrOffset, plugin_write_datalen, plugin_write_dataArray);
```

Output

Console Error list Log

Import Export

Import successfully completed for moduleDevicesST.v1.ccward.

Comprehensive software for all your programming needs

In this fast-paced world of cutting-edge technologies and innovative solutions, imagine an automation software that offers contemporary design features, maximizes productivity, and delivers advanced functionalities to speed up machine design and configuration for your systems.

Advance your digital transformation journey with the new FactoryTalk® Design Workbench™ software, a scalable solution for faster and more efficient machine design. Offering a familiar Logix user experience and simplified programming workflows, this modern, intuitive software platform can help elevate your machine development experience and shorten time to market.

Design, develop and deliver smarter machines with the new generation of automation design software from Rockwell Automation. Experience the difference with FactoryTalk Design Workbench software today!



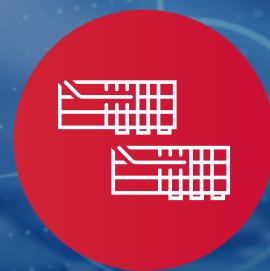
MODERN

Build and deploy projects faster with a contemporary software architecture and unified user experience



PERFORMANT

Maximize programming efficiency with consistent workflows and faster program upload and download speed



MULTI-DEVICE

Design, operate and maintain multiple Micro800™ controllers at the same time in software version 1

(Other device support will be added in future versions)

Design, develop and deploy smarter machines with ease

- Design, operate and maintain Micro810®, Micro820® L20E, Micro850® L50E, and Micro870® L70E controllers with software version 1 using Ladder Diagram (LD), Structured Text (ST) and Function Block Diagram (FBD) programming languages
- Reduce engineering time with consistent and proven workflows from the familiar FactoryTalk design environment
- Enhance programming efficiency with a common organizer view, design workspace, programming instructions, and shortcut commands
- Enable seamless interoperability with other 64-bit software on the same computer
- Minimize troubleshooting time with easy access to multiple controllers at the same time
- Ease transition from Connected Components Workbench™ and Micro800 programs (version 22 and 23) with minimal conversion risk
- Improve accessibility with localization support for French, German, Italian, Portuguese, Simplified Chinese, and Spanish languages



We are listening to your feedback.

This is just the beginning...

FactoryTalk Design Workbench software will continue to evolve, offering increased design flexibility and support for multiple devices in future versions, to meet your changing application requirements and industry demands.

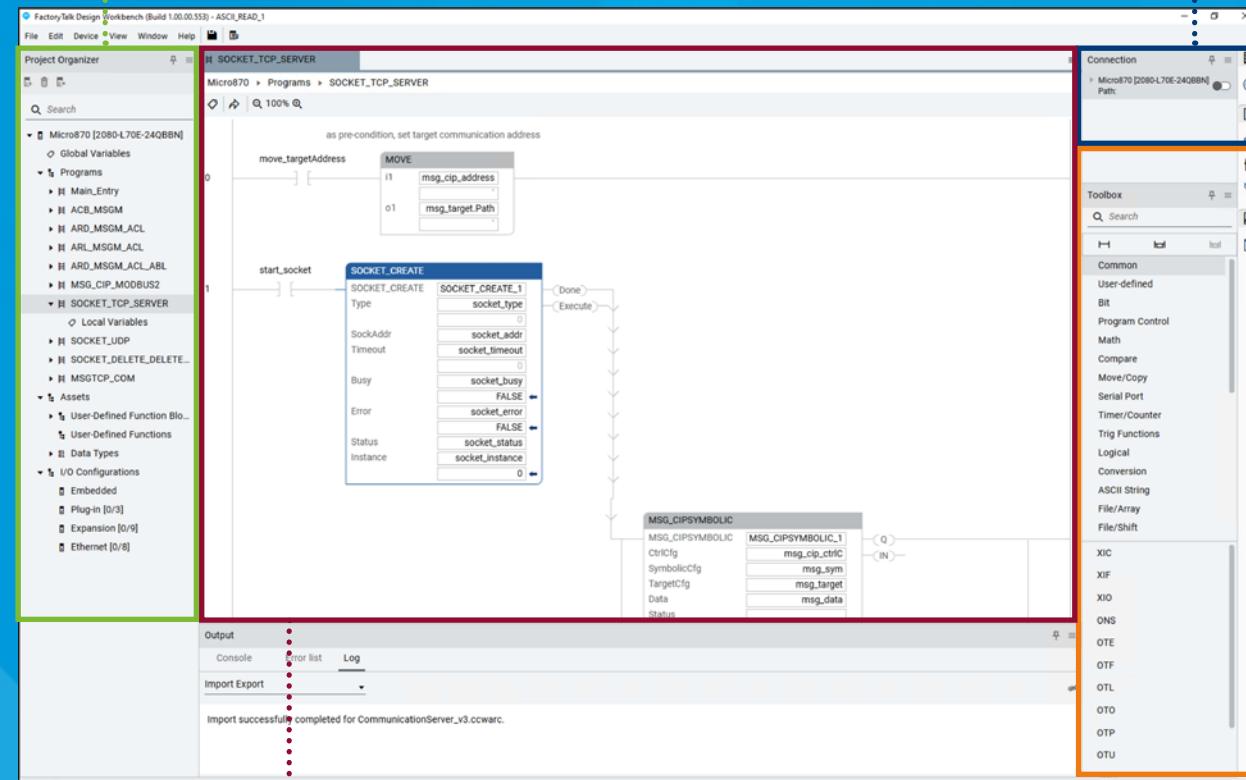
Stay tuned for more updates!

Experience a familiar and consistent user workflow

A

ORGANIZER VIEW

- Provides simplified view of all programs, assets and I/O configurations
- Displays minimum icons



B

CENTRAL WORKSPACE

- Provides simplified editing space optimized for programming

C

CONNECTION PANE

- Streamlines device connection and mode changes with a single view
- Establishes a quick connection online with a slider

D

INSTRUCTION TOOLBOX

- Reduces navigation time by using the logically grouped instructions and search bar

Begin your journey today

Hardware requirements

To use FactoryTalk Design Workbench software effectively, your computer must meet the following hardware requirements.

Minimum requirements	
Processor	Intel Core i5 Standard Power processor (i5-3xxx) equivalent
RAM memory	8 GB
Hard disk space	20 GB free
Pointing device	Any Microsoft Windows® compatible pointing device

How to experience

Schedule a virtual demonstration with your [local authorized distributor](#) or [Rockwell Automation sales representative](#) and experience digital engineering live.

► Learn more by visiting rok.auto/FTDesignWorkbench

Software requirements

FactoryTalk Design Workbench software version one supports the following operating systems, versions and service packs.

Supported operating system	
Windows Server® 2022 Standard	Windows 11 Enterprise 2024 LTSC
Windows Server 2022 Datacenter	Windows 10 Enterprise 64-bit
Windows Server 2025 Standard	Windows 10 Professional 64-bit
Windows Server 2025 Datacenter	Windows 10 Enterprise 2021 LTSC 64-bit
Windows 11 Enterprise	Windows 10 Enterprise 2019 LTSC 64-bit
Windows 11 Professional	Windows 10 Enterprise 2016 LTSB 64-bit

How to obtain

Download the software for free via the [Product Compatibility & Downloads Center \(PCDC\)](#).



Connect with us.

rockwellautomation.com ————— expanding **human possibility**®

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